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(54) SINTERED ALLOY AND COMPACTION DIE USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To form a compaction die facilitated, e.g. in maintenance, such as storage management and production control, by using a sintered alloy having high mechanical properties and excellent corrosion resistance and suitably used for a die for compacting such as a pestle, a mortar.

SOLUTION: At least either or both of tantalum(Ta) and niobium(Nb) is added by 0.2-5 wt.% to a composition containing, by weight, 36-53% cobalt(Co), 27-35% chromium(Cr), 10-20% tungsten(W), and 2-3% carbon(C), and the resultant mixture is sintered by the ordinary method, by which the compaction die composed of sintered alloy excellent in corrosion resistance can be formed.

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